

Moe No. 4 Mine

- 1. Location/Land Status: The Moe No.4 Mine is located on land owned by the New Mexico State Land Office within Section 32, T13N, R9W on the USGS Dos Lomas quadrangle (35.313011N, 107.813102W) and is surrounded by private properties. Physical access to the mine can be gained by traveling north 12 miles from Milan, NM on NM 605. The Moe No. 4 mine is to the east of the highway and visible from the road. Legal access was graciously provided by Mr. Robert Schmitt of 57 NM 509, Grants, NM 87020; phone: (505) 287-2260.
- 2. Human Activity: No evidence of human activity was noted.
- 3. Radiological Survey: Radiological survey results were as follows: ground surface maximum of 1,100 μ R/hour and minimum of 12 μ R/hour. Four-foot elevation maximum was 1,000 μ R/hour and minimum was 14 μ R/hour. The ground surface at the headframe displayed readings of 1,100 μ R/hour. Background radiation level is approximately 15 μ R/hour.
- **4. Mine Disturbance:** Moe No. 4 is a small underground mine situated on approximately 3 acres which immediately adjoins an arroyo (ephemeral stream). The mine consists of a 30-degree decline striking north into a collapsed working of approximately 10,000 square-feet by 12 feet deep. The site includes approximately 45 small rock piles having an estimated total volume of approximately 400 cubic-yards.

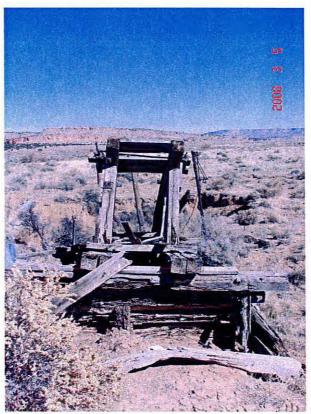
There is a foundation, loading dock and tank located approximately 2,000 feet from the site, where the access road leaves NM 605.

- **5. Plant Community:** The surrounding area is characteristic chaparral: 40% grasses, 5% bare ground, 10% scrub, 40% forbs, and 5% bare.
- **6. Soils:** Soils at the site are Penistaja-Tintero complex, with 1 to 10 percent slopes, 0 to 3 inches sandy loam, 3 to 19 inches sandy clay loam.
- **7. Wildlife:** There were numerous signs of rabbit and coyote observed on site, but no other wildlife or sign was observed.
- 8. Land Use: The land use is light to moderate grazing.
- Off-Site Impacts: No off-site impacts were noted.
- **10. Topographic Features:** The site is flat, and bounded on the northwest by an arroyo. The site displays no notable erosional features.



11. Hydrogeology: Based on a review of the NMOSE iWaters database, there is one well record within a one mile search radius. It is located approximately 800 feet to the north of the site, with a recorded depth to water of 30 ft.

The nearest surface water drainage feature is adjacent to the site to the northwest.

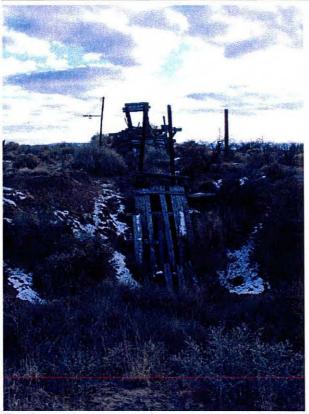


Headframe, view to north



Decline (adj. to headframe), view to north

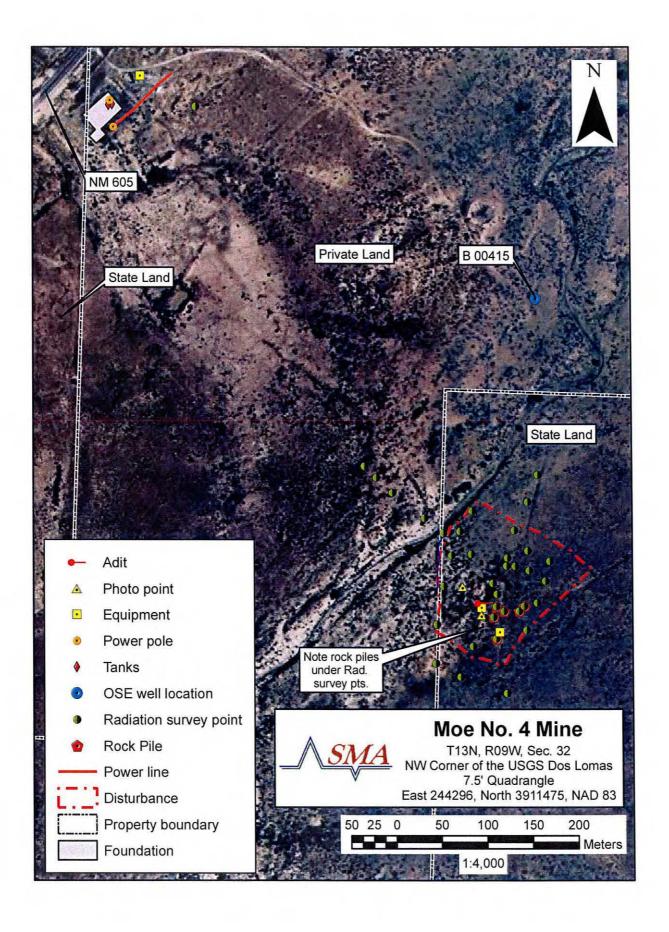




Decline, view to south



Rock piles, view to northeast



Site Valle Jo

More No. 4

01/23/08	Time On-		B. BALDWIN	
Weather Conditions: Stant	y, wind	origh, Cloudless sh	4 2 40° F	
Disturbances	GPS#	Description	Dim/Area/Volume	Photo #'s
Shafts				#1
Adits				
Pits				
Waste Rock Dumps				
Tailings				
Trenches				
Roads		Surprefeel and tense 2-Track from SRG	es to Z-TEACK	
Erosional Features		lucked to be		
Structures / Equipment	GPS#	Description	Dimensions	Photo #
Buildings	- State of the sta			The second secon
Headframes				

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Equipment #156 mon words Fundament Aland A/A/A/A/A-4x4/5		No usable, vaslite standaris		
Soils	GPS#	Description	Extent	Photo#
Jandy-Loan		Sucreanding sandstone Clufts - redich - Booking	Pre dominant	
Vegetation	GPS#	Description	Extent	Photo #
P of forest - Plue granning Surecce Southerward 4 Jung Sallbouch		200-300 lbs/acre grammer production Produces Sumper (One seed) Laine program Secon pro sporse	Some P-I mentality but seems to be natural, Gassput high comparted to adj	eets areas
Wildlife	GPS#	Description		Photo #
To brook to Egypte trobs Coto do rabbet, due o has Some galobe, mise redends	2 11-			
Human Activity	GPS#	Description	Extent	Photo #
(non-mining, win 0.5 mi of site) Bob schoolt land lassed A/A presering to 3pdsht in SLD He sand lasts.				
Land Use (grazing, agricultural,	GPS#	Description	Extent	Photo #
roads, etc., w/in 0.5 mi of site) Grazins - Evilence graffle fracks/Feces				
Nearby Residences / Wells (w/in 0.5 mi of site)	GPS#	Description	Distance to Site	Photo #
Claim production !	->>	54 class: 314		
Topographic Features	GPS#	Description		Photo #

(roads, water courses, etc.)

16. g. prografy Cutt troops - summa to be explained unknowned features due to steep terroin of
consecutioning cutters. Some patricy snew on N. Face slopes and in compan bottom. High aires of
tiller of an steep shopes. Appears to be notweatly reclaimed - Alvise no further action

Mine I.D.: Moe# 4 + Valleyo Plant Community Data

Date/Time: 01/23/08
Weather: Sunny, wind & mph, appx 40°F

Observer: Ru

Current Plant Community:

Current Plant Community:

Photo# P-5 Forest-open (Buth)

Vallego = Canym lands type 10% tree, 50% bare grand, 30% Forb/shrub, 10% grasses

Wallego = Canym lands type 10% tree, 50% bare grand, 30% Forb, 10% shrub, 5% free, 5% bare

Moc #44 = /1ght, open PS (sparse) - more grasslands. 40% grass, 40% forb, 10% shrub, 5% free, 5% bare

grand

Photo # Pinyon, One Seed jumper, Spineless horsebrush, Sand Sage, Winterfat (Sporabolus spp.?)

blue gramma, snakewied

T&E Present: Y/N?

If yes, species? Photo#

NO

Noxious Weeds: Y/N? If yes, species?

Photo#

Photo #

Bare Spots? Y/N? YES, Normal

Standing Dead? Y/N?

If yes, species?

Photo#

All None Unusual

Photo Point GPS Coord.

Photo #/Direction

Additional Notes:

Use back if necessary

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Site Moety

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1			

AUM Field Survey Data Sheet

Site Mor. #4

Radiolog	gical Survey		
GPS#	Description	Reading Surface	Reading 4 feet
01	Pad. survey NtoE	244	22
02	/l	25	23
03	//	22	22
04	lí	12	22
05	11	14	11
06		H	18
07	11	17	18
80	[]	19	18
09	Rad survey NtoS	15	14
10		17	14
/(Λ	17	13
12	11	22	20

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Site Moe #4 ! Valle 50

ALIM Field Survey Data Sheet	Site Mae 44	

Radiolog	ical Survey		
3PS#	Description	Reading Surface	Reading 4 feet
13	i (25	23
14	Adit (Rechine) Waleing carrolin	1	
15	headpaine	1100	1,000
le	tailings @ herofrance	1,100	1,000
17	mastepile (overburder) 4 m (b)	32	30
18	tailings Im(h) x 3m (b)	360	300
19	tailings/overburden (m(h) x 3ml	, 50	50
20	tailings Im(h) x 3m(b)	120	40
21	li 1	600	600
22	11 11	leoo	600
23	Loading roup @ highway	leo	32
23	Lading rang @ highway	leo	4.4

AUM Field Survey Data Sheet Site AUM - Mol No. 4 2008 - 3 - 5

Radiologi	ical Survey		
GPS#	Description photo /	Reading Surface	Reading 4 feet
the o	A .	-	_
Hec 1		-	
ARC 2		-	_
& Wast	Waste pile ~ 1 m3	320	90
60	Rad, survey baseline pt. 1	12	14
G1	I	16	14
62	((20	16
63	i (22	20
64	4	42	30
65	h	800	600
<u>ک</u> لو	10	32	30
G7	li .	70	110
68	It.	42	60
69	10	22	22
Glo	n .	18	14
611	11	1 14	14

Site AMM - Mol No. 4 2008-3-5

cal Survey		
Description	Reading Surface	Reading 4 feet
fad survey	18	14
u	18	14
11	22	20
(1	140	70
ά	20	18
N V	18	16
headframe looking into collapsed		
looking E into collapsed		
S to N barbwine fence		
meandering along arroyo		
10% forbx		
	Lad Aurely 11 11 11 11 11 11 11 11 11	Description Reading Surface Lad Musely 18 10 11 22 11 11 24 10 10 10 18 Acadframe looking into collapsed workings looking E into collapsed workings S to N barbiere fence meandering along arroyo Herstative newry 40% Lane, 30% years, 20% sout,